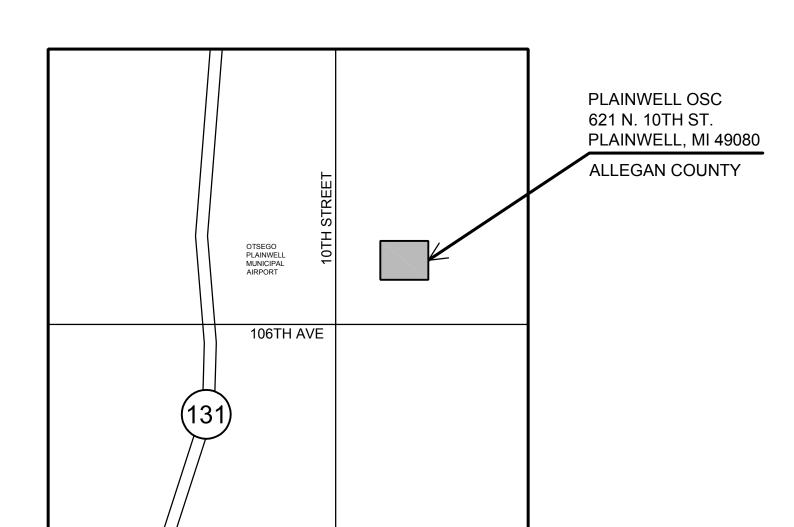
PLAINWELL OPERATIONS SERVICE CENTER

ALLEGAN COUNTY, MICHIGAN

STAIRS AND RAMP RENOVATIONS PROJECT NO. 02-5645

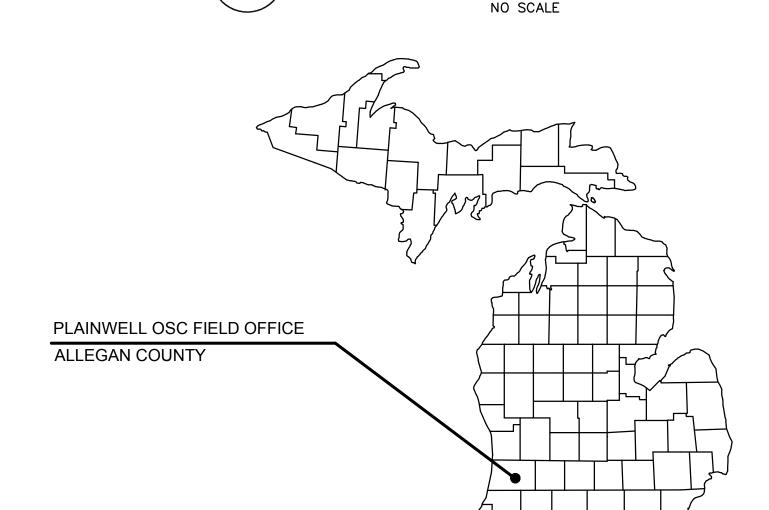


DRAWING INDEX

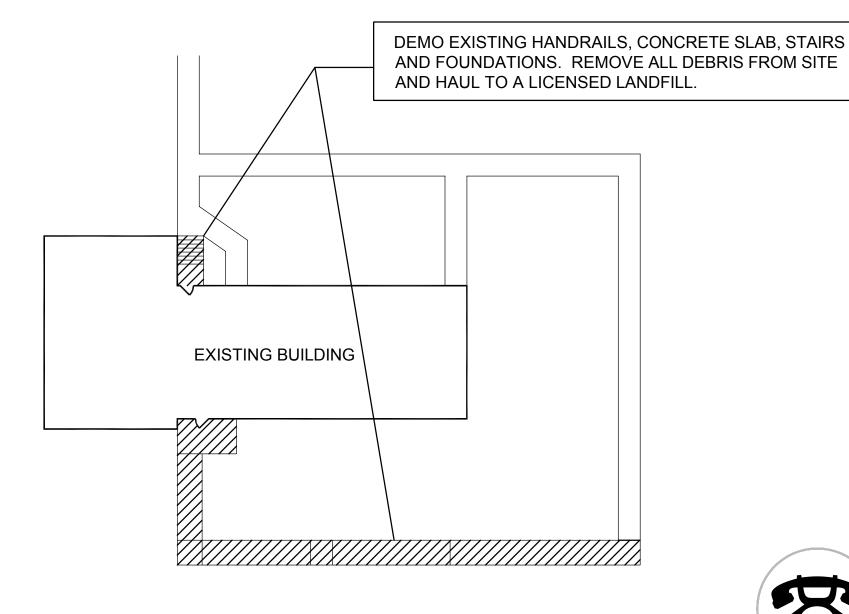
TITLE SHEET

ARCHITECTURAL

A-1 FLOOR PLANS, ELEVATIONS AND DETAILS



LOCATION MAP











GENERAL

- CROSS-CHECK DETAILS AND DIMENSIONS ON THE DRAWINGS WITH RELATED REQUIREMENTS ON THE ARCHITECTURAL, MECHANICAL AND ELECTRICAL CONST. DOCS. FLOOR AND WALL OPENINGS, SLEEVES, AND OTHER ARCHITECTURAL, MECHANICAL, AND ELECTRICAL

- THE BUILDING IS DESIGNED TO PROVIDE A COMPLETE LOAD PATH TO THE FOUNDATION AS A FULLY CONSTRUCTED BUILDING; NOT DURING CONSTRUCTION. THE NECESSARY TEMPORARY BRACING OF WALLS AND ALL STEEL FRAMING DURING CONSTRUCTION IS THE CONTRACTOR'S RESPONSIBILITY.

- ALL READY MIX CONCRETE SHALL CONFORM TO A.S.T.M. C 94.
- MEASURING, MIXING, TRANSPORTING, AND PLACING OF ALL CONCRETE SHALL COMPLY W/ ACI 304R-89.
- ALL REINFORCING BARS, DOWELS, ANCHOR BOLTS AND ANY INSERTS SHALL BE SECURED IN POSITION PRIOR TO PLACING OF CONCRETE.
- AIR ENTRAINED CONCRETE SHALL BE USED FOR ALL SIDEWALKS, PAVING, PLATFORMS, CURBS, AND ALL CONCRETE ELEMENTS EXPOSED TO THE WEATHER.
- ALL CONCRETE SHALL DEVELOP THE FOLLOWING COMPRESSIVE STRENGTHS AT 28 DAYS (U.N.O.):

- LOCATE ALL SLEEVES, OPENINGS, EMBEDDED ITEMS, ETC., WHICH ARE INDICATED ON ALL DESIGN DRAWINGS. CHECK WITH ALL TRADES TO VERIFY THAT ALL SLEEVES, OPENINGS, AND EMBEDDED ITEMS ARE IN PLACE AND LOCATED CORRECTLY PRIOR TO
- THE SURFACE OF ALL CONSTRUCTION JOINTS SHALL BE CLEANED TO REMOVE ALL DUST, CHIPS, OR OTHER FOREIGN MATTER PRIOR TO PLACING THE ADJACENT CONCRETE.
- 8. ALL SLABS SHALL BE CURED AND SEALED TO MINIMIZE SHRINKAGE CRACKING.
- REFER TO ARCHITECTURAL DRAWINGS FOR MOLDS, GROOVES, ORNAMENTS, OR ACCESSORIES REQUIRED TO BE CAST IN CONCRETE, AND FOR LOCATIONS OF FLOOR FINISHES AND SLAB DEPRESSIONS.
- SLAB SURFACES SHALL BE SMOOTH AND LEVEL, OR SHALL HAVE SMOOTH EVEN SLOPE. CONCRETE FINISH SHALL BE SMOOTH FOR INTERIOR FLOOR SLABS AND BROOMED FOR EXTERIOR WALKS.
- DURING COLD WEATHER MONTHS, ALL CONCRETE SHALL COMPLY W/ ACI COLD WEATHER CONCRETING, ACI 306R-88. PER ACI, COLD WEATHER IS DEFINED AS A PERIOD WHEN, FOR MORE THAN (3) CONSECUTIVE DAYS, THE FOLLOWING CONDITIONS MUST EXIST: 1) THE AVERAGE DAILY AIR TEMP. IS LESS THAN 40 F, AND,
- 2) THE AIR TEMP. IS NOT GREATER THAN 50 F FOR MORE THAN ONE-HALF OF ANY (24)-HR. PERIOD.

- 1. ALL REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO A.S.T.M. A-615 GRADE 60 UNLESS NOTED OTHERWISE.
- 2. ALL REINFORCING BARS MARKED "CONTINUOUS" MAY BE SPLICED WITH A LAP OF 24 BAR DIAMETERS IN CONCRETE AND 48 BAR DIAMETERS IN MASONRY, BUT NOT LESS THAN 24 INCHES. U.N.O.
- 3. ALL MASONRY REINFORCING SHALL BE PLACED AND SUPPORTED IN CONFORMANCE WITH THE PROVISIONS OF THE LATEST EDITION OF A.C.I. 530.1/ ASCE 6/ TMS 602.
- 4. TIE WIRE SHALL CONFORM TO A.S.T.M. A-82.
- 5. WELDED WIRE FABRIC SHALL BE SPLICED WITH A MINIMUM LAP OF TWO MODULES.
- 6. WELDED WIRE FABRIC SHALL CONFORM WITH A.S.T.M.
- 7. ALL REINFORCING STEEL SHALL HAVE THE FOLLOWING MINIMUM CONCRETE COVERAGE, UNLESS NOTED OTHERWISE:

CONCRETE PLACED AGAINST EARTH CONCRETE WITH FORMED SURFACES IN CONTACT WITH EARTH CONCRETE EXPOSED TO WEATHER SLABS, WALLS, AND JOISTS NOT EXPOSED TO WEATHER OR IN CONTACT WITH EARTH (#11 = 11/2" BARS AND SMALLER) = 11/2" BEAMS, GIRDERS AND COLUMNS NOT EXPOSED TO WEATHER OR IN CONTACT WITH EARTH

- 8. DETAILING OF ALL BENT BARS SHALL COMPLY WITH THE ACI 318-89 CODE.
- 9. WELDING OF REINFORCING BARS IS NOT PERMITTED, UNLESS NOTED OTHERWISE.

FOUNDATION

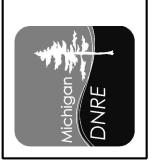
- 1. ALL FOOTINGS SHALL BE CONSTRUCTED ON UNDISTURBED SOIL.
- ALL FILL AND BACKFILL MATERIALS SHALL BE NON-COHESIVE SOILS COMPACTED TO 95% MAXIMUM DENSITY PER A.S.T.M. D1557-70 METHOD. FILL SHALL BE PLACED IN 9" LIFTS MAXIMUM AND COMPACTED BEFORE PLACING THE NEXT LIFT.
- NO SOILS REPORT WAS AVAILABLE AT THE TIME OF PREPARATION OF THESE DRAWINGS. SHOULD ANY CONDITIONS BE ENCOUNTERED THAT ARE UNUSUAL OR DO NOT GIVE ASSUMED BEARING CAPACITIES, THE OWNER SHALL BE NOTIFIED AND WORK SHALL CEASE. WORK SHALL NOT RESUME UNTIL THE ENGINEER OF RECORD EVALUATES THE EXCAVATION AND GIVES WRITTEN NOTICE TO RESUME

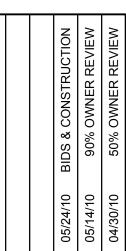
ASSUMED ALLOWABLE SOIL BEARING PRESSURE: 2000 PSF

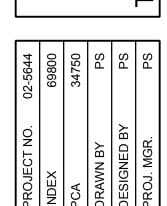
4. ALL ORGANIC TOPSOILS SHALL BE STRIPPED FROM THE AREA UPON WHICH THE PROPOSED RESIDENCE IS TO BE LOCATED.

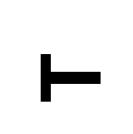
- 1. STEEL PIPE AND ACCESSORIES SHALL BE HOT-DIPPED GALVANIZED PER ASTM A123 AND ASTM 153/A153M.
- FABRICATE INTEGRAL RAILING AND COMPONENT CONNECTIONS TO BE CAPABLE OF RESISTING A LOAD OF 200 POUNDS CONCENTRATED LOAD APPLIED IN ANY DIRECTION AT ANY POINT ON THE TOP RAIL AND A VERTICAL AND HORIZONTAL THRUST OF 50 POUNDS PER LINEAR FOOT APPLIED TO THE TOP RAILING WITHOUT PERMANENT SET OR DAMAGE. THE TWO LOADS ARE NOT CUMULATIVE.

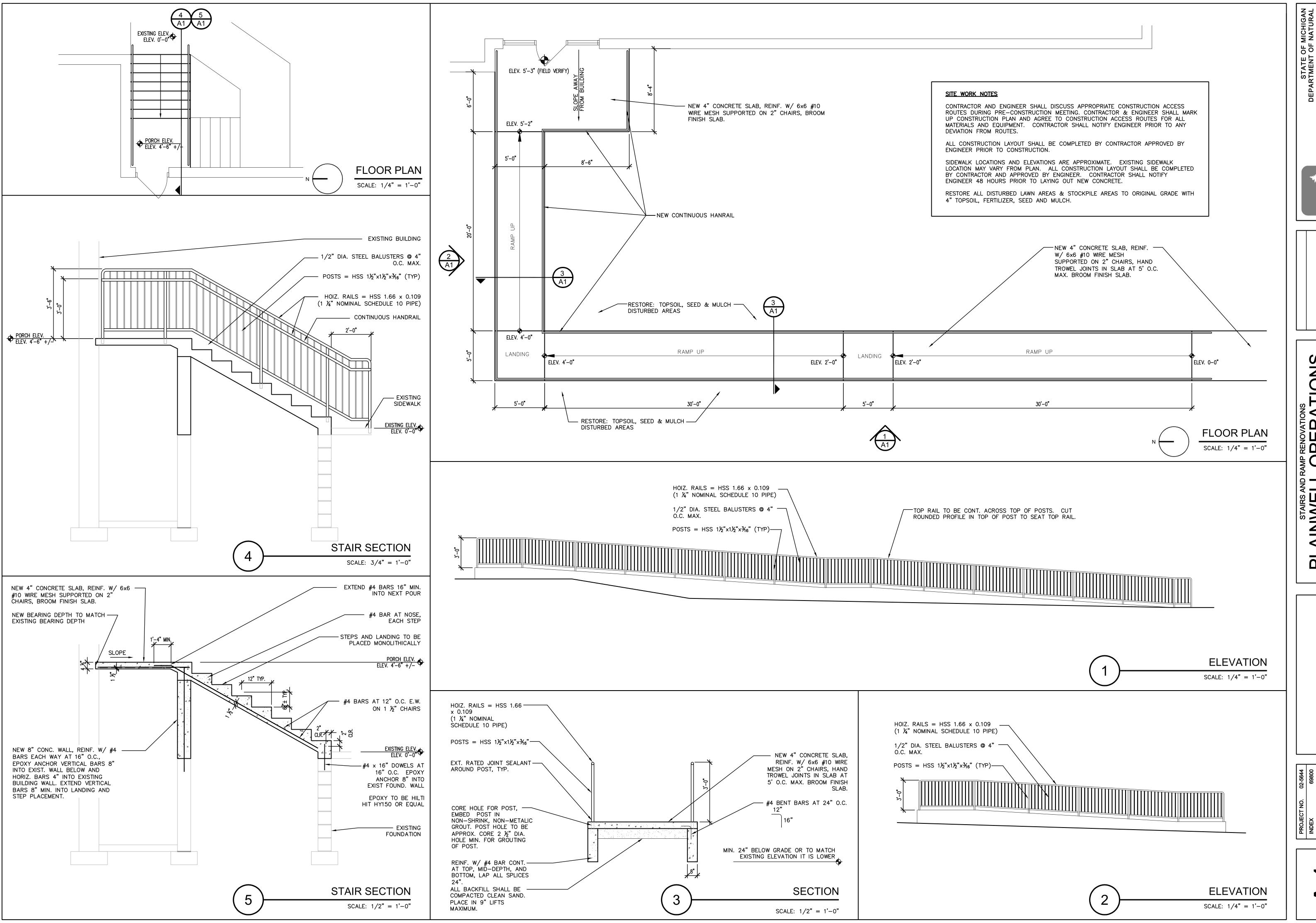
HSS = A500, GRADE B OR C, Fy = 46 KSI.













AINWELL
SERVIC

ELEVATIONS FLOOR PLANS, I AND DETAILS